

## **April 16, 2006 LGS Facility IPT Meeting Minutes**

A. Bouchez

Caltech: Bouchez, Cromer, Guiwits, Roberts  
Palomar: Thicksten, Henning, Doyle.  
JPL: Angione

### **1. AO system status**

- Fiber nuller integration is apparently going well. Gene's group will be using the AO system through Thursday.
- Anna and Nick Law will be working with them in the AO lab today.
- Cause of TAO slowdown may have been found: AODS currently takes priority on disk access to AODR, and TAO waits for AODR to complete before proceeding. Thang will change priority in a test build for the next run.
- Tuan may have found cause of table loading failures...

### **2. Laser**

- Renu on vacation until Wednesday. Will be on campus Thursday.
- Oscillator due to be returned this Thursday. However, a delay would prove disastrous.
  - Jenny will look into checking one out of the JPL instrument pool.
  - Antonin will contact Ed regarding getting one from U. Chicago.
- Chris is unable to go to Palomar until Friday at the earliest. Will call Renu Wed. to help get started on polarization testing.
- Since getting the laser up to nominal power is top priority, decided to postpone polarization tests until after observing run, pending input from Renu.

### **3. LGS Computer**

Current status from Steve:

- During last run, photodiode input worked well, but temp. controller communications had failed.
- Unable to test remotely last week. Might go up Wednesday - will coordinate with Chris and Renu.
- Chris wired Dout to Din. Steve will test DAC driver in isolation.

### **4. BTO**

- Possible GUI changes for observing run, no new operational software.
- Antonin designed a new plate to support the Coude window and alignment diaphragm. Will install after next run.

### **5. Safety Systems**

- John H. will test Green/Yellow lamp status on Wed. Currently shows green when all is off and red when drivers are on, but some question regarding what will happen when power to chillers is turned on.
- BTO heartbeat is still required to satisfy Zone 8 interlock.

Bob and Antonin participated in a Gemini/Keck telecon regarding an ASCAM for Mauna Kea and FAA permission for automated airspace safety systems on Friday. Will continue to talk with them.  
Some comments from Bob and Antonin:

- May want to slowly move into this, starting with 1 spotter + radar, etc.
- Probably need to involve Caltech lawyers in our permitting issues.
- We don't have resources to debug their system for them.

## 6. Personnel Schedule for 4/23-4/27 Observing Run

	<b>Mon. 4/23 Eng.</b>	<b>Tue. 4/24 Eng.</b>	<b>Wed. 4/25 Science</b>	<b>Thu. 4/26 Science</b>	<b>Fri. 4/27 Science</b>
Angione	?	?	?	?	?
Bouchez	X	X	X	X	X
Cromer	X	X	X	X	X
Guiwitz	X	X			
Moore	X				
Petrie	X				
Roberts	X	X	X	X	X
Tripathi	X	X	X	X	X
Trinh	?				
Troy	X	X			

Meeting adjourned at 9:35am.